

### **Best Practices in Safety**

AIHA/ANSI Z-10-2005
Standard for Occupational Health and
Safety Management Systems
Presented by

(AIHA/ANSI Z-10-2005 excernts used by permission)

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### **Objectives:**

- "Best Practices" Defined
- Outline and Review the Z-10 Standard
- Auditing Health & Safety Management Systems based on the Z-10 Standard
- Closing the Gap Making the system work



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### "Best Practices"

What does "Best Practices" mean?



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### "Best Practices" Defined:

### From Wikipedia:

 Best practices can be defined as the most efficient (least amount of effort) and effective (best results) way of accomplishing a task, based on repeatable procedures that have proven themselves over time for large numbers of people.

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### "Best Practices" Defined:

Best Practices is a philosophical approach based around continuous learning and continual improvement.





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### **Business Buzz Words**

- Best Practices
- World Class
- Total Quality Management
- Industry Best Practice
- Change Management
- Six Sigma
- Benchmarking
- Continuous Improvement



# Why so many improvement initiatives?

- Increase productivity
- Ensure quality product
- Engender customer confidence & loyalty
- Why are companies in business?

### To Make \$\$\$\$!!



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# How does Safety affect a business's ability to make money?

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### **How does a company make money?**

**Money in** 

- Money out
- **= Profit \$\$\$**

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### **How does a company make money?**

**Money** in

<u>-Money out</u>

= Profit \$\$\$

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### **Money Out**

- Salaries
- Other Overhead
- Materials
- New product development & research
- Etc....

### **Money Out as it Relates to Safety**

- Workers Compensation Premiums
- Medical Costs
- Equipment damage Costs
- Cost of lost production
- Cost of training replacement workers
- Cost of turnover
- · Cost of time to fill out accident paper work
- Legal costs
- Poor morale
- OSHA citations/penalties

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Accident	Company	Profit Marg	in	GIQ abalas 710	BC CONTRACTOR
Costs (dollars) \$10,000	2%	4%	6%	8%	10%
\$10,000	500,000	250,000	167,000	125,000	100,000
\$20,000	1,000,000	500,000	333,000	250,000	200,000
\$50,000	2,500,000	1,250,000	833,000	625,000	500,000
\$75,000	3,750,000	1,875,000	1,250,000	938,000	750,000
\$100,000	5,000,000	2,500,000	1,667,000	1,250,000	1,000,000
\$500,000	25,000,000	12,500,000	8,333,000	6,250,000	5,000,000
\$1 million	50,000,000	25,000,000	16,667,000	12,250,000	10,000,000

# Cost of Injuries Based on Cost of Insurance

 You can calculate the amount of sales needed to pay for premiums:

<u>Cost of WC Insurance</u> = \$ Needed in Sales % Profit Margin

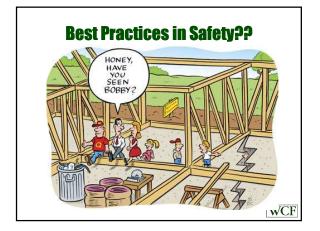
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### **Example**

- \$400.000 premium cost
- 10% profit margin

<u>\$400,000 in premiums</u> = \$4 Million in Sales 0.10

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### Best in Class (Safety) Industrial Hygiene & Safety News Poll:

1. DuPont

6. Ford

2. 3M

7. GM

3. Alcoa

8. IBM

4. Dow

9. British Petroleum

5. **GE** 

10. UPS

GE VPP Program Video Clip

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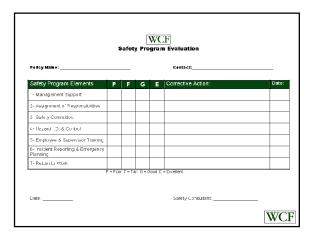
### **The "Best Practice" in Safety is:**

- To integrate safety into the business management system of the company.
- Give equal consideration to injury prevention as to quality or productivity.
- Implement management systems using current scientific and technological knowledge that prevent accidents and injuries.

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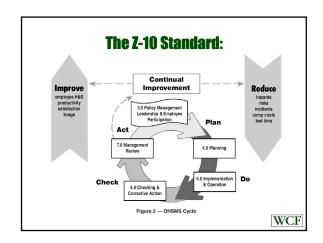
### **Self Rating Exercise**

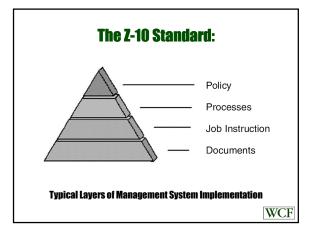
See "Safety Program Evaluation" handouts.



Program Element	Poor	Fair	Good	Excellent
1- Management Support	No management direction — Top management does not participate in safety & health activities or actively review status of the safety program.	Top management recognizes safety & health as important but is inconsistently involved. No clearly defined expectations of managers and employees regarding safety responsibilities.	Top management recognizes safety & health as a good business practice. A designated safety management level with overal organizational decision authority. Top management remains visibly involved.	Top management values safety and is visibly and frequently involved in safety activities. In addition to "good" (Safery, 8 Health management is organizationally neat to key decision makers. Safety performance is measured and linked to compensation.
2- Assignment of Responsibility	No person in the organization with safety as a responsibility.	A person is assigned to safety formally, but has other assignments with higher priority. Minimal training with reactive, enforcement mentality	Safety responsibility formally assigned to a person as primary role with some formal training or coaching provided. Supervioors have specific duties in regard to safety. Some authority to spend resources is given.	A wall trained safety director with a clear job description is in place. Supported in the organization by clear management goals. Safety is "everyone's" responsibility with all ke executives involved:
3- Safety Committee	No safety committee in place.	Safety Committee may have been organized but meetings are undocumented and irregular. Marribers serve informally with no clear duties outlined and no supervision by top management.	Safety committee meets regularly with agendas and published minutes. The committee reviews loss trands, accident investigations and self-inspections during their meetings.  A member of management chairs or attends the meeting periodically.	In addition to "good" the committee is actively involved in safety training plans, safety goal senting, hzared identification and other safety premotional activities. Top management is trequantly involved.
4- Hazard Identification & Control	No programs to identify hazards. No hazard controls. Poor housekeeping& practices.	Informal hazard I.D. & control. Controls implemented on an as needed basis or in reaction to accidents.	Employees are encouraged to report hezards & rewarded by the management system. Regular self inspections are conducted by assignment and documented.	In addition to "good" formal hazard identification & control tools are used in work operations such as Job safety analysis, RULA, etc. results are reviewed by Top Management.
5- Employee & Supervisor Training	No formal training. On the job training. No formal safety training	Basic safety orientation when hired. No task specific training. Occasional safety meetings.	Specific employee orientation, including safety training. Safety training on an annual basis. 1/4ly safety meetings.	Very specific new employee training. Employee must demonstrate proficiency prior to work assignment. Regular safety meetings." Train the trainer" program for all supervisors.
6- Incident Reporting & Emergency Response	No formal requirement for incident reporting. No emergency plan. No accident investigation.	Employees instructed to report incident with a basic company policy to "seport o supervisor". Limited emergency information posted. Some accident investigation performed.	Company policy to report accidents & incidents ASAP. Emphasized during new employee crientation. Emergency procedures well documented. Formal accident insettigation procedures with a requirement to insettigate significant incidents.	Formal incident reporting system includes have miss" reporting. Strong company policy quagring ASAP reporting. Advanced claims management practions. Formal amargancy resportes procedures including business insurruption planning. Formal incident investigation with "root cause analysis". Upper management evaluates incidents as part of business planning.
7- Return to Work	No PPO use. No effort directing personnel back to work. No formal contact with injuried worker.	Use PPO network. Developed relationships with medical provider. Some effort towards RTW. No formal program. Limited contact with injured worker.	PPO use. Developed relationship with medical providers. Basic written RTW policy. Modified duty positions selected. Supervisors attend physician visits. RTW program demonstrated by claims	PPO use. Detailed relationship with med. providers includes identified modified dury positions. Customized RTW program with writtenijob descriptions. RTW agreement detailed in a RTW contract with injured worke. Consisted RTW enactions as demonstrated in







### **The Z-10 Standard:**

- Voluntary Standard
- Requirements using the word shall are in the left column
- Recommended practices using the word should, and explanatory notes are in right column
- Appendices provide assistance, examples, references, guidelines
- Z-10 is designed to be integrated with quality, environmental, and other management systems

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# The Z-10 Standard: 1. Scope, Purpose, & Application:

- Defines minimum requirements for occupational health and safety management systems (OHSMS)"
- Purpose "...is to provide a management tool to reduce the risk of occupational injuries, illnesses, and fatalities."
- Applies to businesses of all sizes and types.
- Designed to continually improve safety and health performance

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# **The Z-10 Standard: 2. <u>Definitions:</u>**

### Just a few -

- Compliance
- Conformance vs. Nonconformance
- Exposure Assessment
- · Occupational Health Assessment
- Corrective Action vs. Preventive Action
- Risk

# The Z-10 Standard: 3. <u>Management Leadership &</u> Employee Participation:

- 3.1.1 Top management shall direct, establish, implement and maintain an OHSMS
- 3.1.2 Written OHS Policy that includes 4 basic areas of commitment
  - Officially authorized/endorsed by Top Management

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### 4 Basic Areas Of Commitment To Be Included in OHS Policy:

- Protection & Continual improvement of employee health & safety;
- 2. Effective employee participation:
- 3. Conformance with the organization's health & safety requirements;
- 4. Compliance with applicable laws & regulations

Note: Example policy statement is included in Appendix A of the Z-10 Standard.

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### The Z-10 Standard:

### 3. Management Leadership & Employee Participation:

### 3.1.3 Responsibility & Authority:

 Top management provides leadership and assumes overall responsibility (See Appendix B for example of roles and responsibilities).

### 3.2 Employee Participation:

 Organization to establish processes to ensure effective participation of employees at all levels (See Appendix C for examples to encourage employee participation).

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### Barriers to Employee Participation

- Incentive programs
- Drug testing programs
- Disciplinary programs
- All should be carefully designed and implemented!!





# **The Z-10 Standard: 4. Planning**

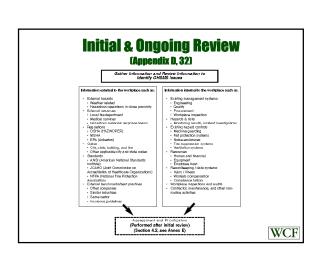


 Defines planning requirements to identify and prioritize OHSMS issues (i.e. hazards, risks, system deficiencies, and opportunities for system improvement).

### 4.1 Initial & Ongoing Reviews See Appendix D of the Standard



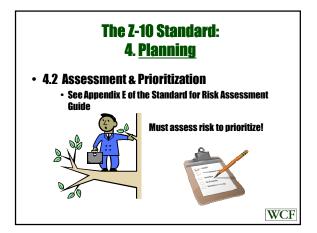
Brainstorm on internal and external factors.



### **4.1.1 Initial Review**

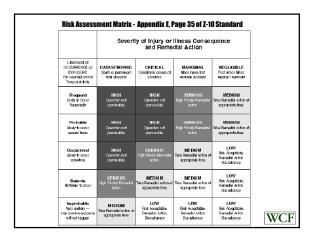
- Relevant business management systems
- Hazards, risks, controls
- Resources
- Applicable regulations, standards, and other health & safety requirements
- Assessments
- Other relevant activities (contractor, maintenance, & non-routine operations, etc.)

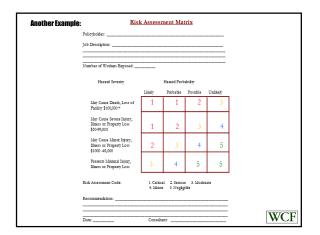
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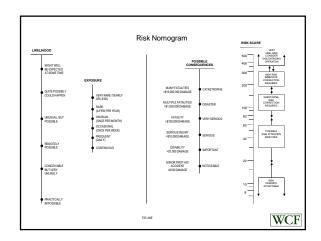


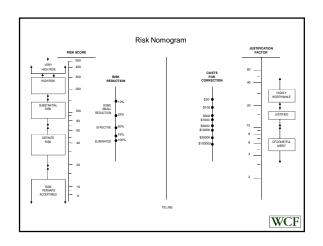
# The Z-10 Standard: 4. Planning

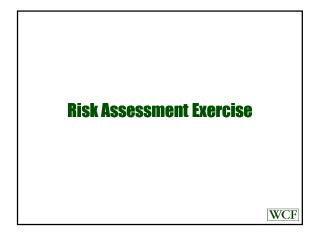
- 4.2 Assessment & Prioritization
  - After risk assessment, issues should be prioritized by considering:
    - Level of risk
    - Potential for system improvements
    - Compliance with standards and regulations
    - Feasibility
    - Business consequences











# **The Z-10 Standard: 4.3 <u>Objectives</u>**

- Based upon priorities developed from assessment & prioritization
- Focused on system improvements
- Consistent with organizations OHS policy
- Set, reviewed, and modified regularly
- Modified according to changing information and conditions

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OBJECTIVES	TIMELINE	RESPONSIBLE AUTHORITY
HAZARD COMMUNICATION  Distribute approved policy Review site specific SOPs for policy compliance Train on policy Review chemical approval process Install moritors for automated MSDS availability in operations	01-04 02-04 01-04 03-04 02 & 03-04	RM-CGL RM-SS RM-SS RM-ML RM-ML
PROCUREMENT  Distribute approved policy Train on policy and procurement procedure Distribute safety requirements to be included in standard contracts	Q1:04 Q1:04 Q1:04	RM-CGL RM-SS RM-ED
TRAINING  • Improve training system based on last year's evaluation  • Review training schedule	Q4-03 Q4-03	RM-SS RM-SS
INSPECTION/TESTING  Develop matrix for all required safety inspections/test  Determine who is primary inspection authority  Develop inspection test criteria	Q1:04 Q1:04 Q1:to Q4	RM-CGL RM-CGL RM-ALL
INCIDENT INVESTIGATION PROCEDURE  Determine who must be trained in Incident Investigation 1 Tain managers in Incident Investigation experts in the Incident Investigation experts from Develop causal analysis system Implement new department	Q1-04 Q1 to Q2-04 Q1-04 Q3-04 Q2-05	RM-CGL RM-SS RM-SS/ED RM-SS/ED RM-SS/ED
LOCKOUT/TAGOUT  Introduce new policy Review site SOPs for policy compilance Train employees in new policy Review lockout methods/locations	Q4-03 Q1-04 Q2-04 Q1-04	RM-CGL RM-SS RM-SS RM-ED

# SMART Objectives Exercise: WCF

# The Z-10 Standard: 4.4 <u>Implementation Plans & Allocation</u> of Resources

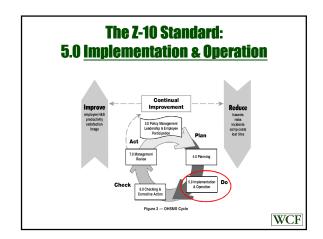
(Appendix F, p. 39)

- Plans shall define resources, responsibilities, timeframes, intermediate steps, and measurements of progress.
- · Assign resources to achieve the objectives.





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# The Z-10 Standard: 5.1 OHSMS Operational Elements

- **5.1.1 Hierarchy of Controls**
- 5.1.2 Design Review & Management of Change (MOC)
- **5.1.3 Procurement**
- **5.1.4 Contractors**
- **5.1.5 Emergency Preparedness**



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est Effective CONTROLS	EXAMPLES
1) Elimination	Design to eliminate hazards, such as falls, hazardous materials, noise, confined spaces, and manual materi handling
2) Substitution	Substitute for less hazardous mater     Reduce energy. For example, lower speed, force, amperage, pressure, temperature, and noise.
3) Engineering Controls	Ventilation systems Machine guarding Sound enclosures Circuit breakers Platforms and guard railing Interlocks Lift tables, conveyors, and balancers
4) Warnings	Signs     Backup alarms     Beepers     Homs     Labels
5) Administrative Controls	Procedures Safe job procedures Safe job procedures Safety equipment inspections Changing work schedule Training Hazard Communication Training Confined Space Entry
6) Personal Protective Equipment	Safety glasses     Hearing protection     Face shields     Safety harnesses and lanyards     Gloves     Respirators

### **5.1.1 Hierarchy of Controls (continued)**

### **Must take into account:**

- Nature & extent of risks
- Degree of risk reduction desired
- Requirements of applicable regulations
- Recognized "BEST PRACTICES" in industry
- Available Technology
- Cost-effectiveness
- ullet Internal organization standards lacktriangle



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# 5.1.2 Design Review & Management of Change (MOC)

- Prevent or control hazards and reduce notential risks associated with:
  - New processes or operations at the design stage
  - Changes to existing operations, products, services, or suppliers



# 5.1.2 Design Review & Management of Change (MOC)

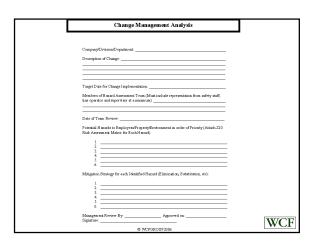
- Process for design reviews and MOC shall include:
  - Identification of tasks & related health & safety hazards
  - Consideration of hazards associated with human factors (i.e. characteristics & capabilities of humans)
  - Consideration of control measures (control hierarchy)
  - Review of applicable regulations, codes, standards
  - Determination of appropriate scope and degree of the design review and MOC

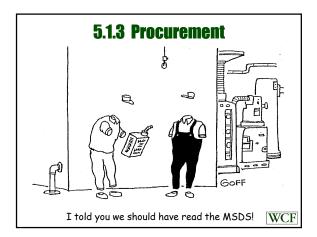












### **5.1.3 Procurement**

- Identify & evaluate H & S risks associated with purchased goods before introduction into work environment.
  - Chemicals
  - Equipment & Machinery
  - Raw materials
- Establish requirements to control potential H & S risks.
- Ensure purchased goods conform to the organization's H & S requirements.

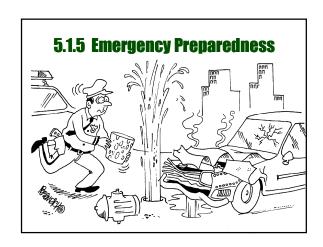




### **5.1.4 Contractors**

- Establish & implement processes to identify safety and health risks:
  - To the organizations employees from contractors planned and unplanned activities
  - To the contractors' employees from the organization's activities
  - Shall include contractor health and safety performance criteria
- Process for coordinating OHSMS with other organizations on multi-employer worksites.





### **5.1.5 Emergency Preparedness**

- Process to prevent, prepare for, and/or respond to emergencies, including
  - Plans to prevent and minimize risks from potential emergencies
  - Periodic testing of plans through drills
  - Plan and procedure evaluation and update







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## 5.2 Education, Training, Awareness & Competence

#### **Establish processes to:**

- Define & assess OHSMS competence needed for employees & contractors.
- Ensure OHSMS competence of employees and contractors through education, training or other methods.
- Ensure access to a remove barriers to participation in education and training
- Ensure training is provided in language trainees can understand
- Ensure competent trainers.



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# 5.2 Education, Training, Awareness & Competence (continued)

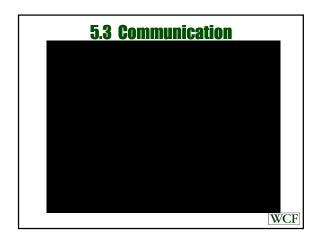
- Training for engineers in safety design
- Training in incident investigation and audits
- Training for procurement personnel on impact of purchasing decisions
- Training of others involved with the identification of OHSMS issues, methods or prioritization, and controls.





### **5.3 Communication**

- Establish and implement processes to:
  - Communicate info about OHSMS & implementation plan progress to all affected levels or the organization.
  - Achieve prompt employee reporting of injuries, illnesses, incidents, hazards, risks.
  - Encourage employees to make recommendations regarding hazard control & reporting procedures
  - Identify & remove barriers to all of the above.



# 5.3 Communication • Examples of Barriers to Communication: - Illiteracy - Language barriers - Fear of reprisal - Incentive programs - Drug testing programs - Discrimination

# 5.4 Document & Record Control Process Process to create and maintain documents and records specified by the OHSMS in order to: 1. Implement an effective OHSMS 2. Demonstrate or assess conformance with requirements of this standard ABC & CO. OHSMS

# 5.4 Document & Record Control Process • The process shall require that: - OHSMS identifies documents that need to be controlled. These documents shall be reviewed and updated as necessary, with dates of revision. - Documents/records are legible, readily identifiable and accessible, protected from damage, deterioration, or loss and retained for specified period.

# 5.4 Document & Record Control Process

**Explicitly requires documentation of:** 

- OHS Policy (Section 3.1.2)
- Objectives (Section 4.3)
- Implementation Plan (Section 4.4 A)
- Audits (Section 6.3)
- Management Reviews (Section 7)

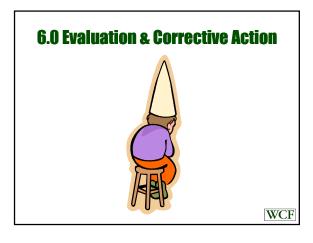


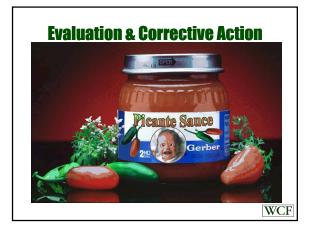
# 5.4 Document & Record Control Process

### **Examples of Documents & Records:**

- Training records
- Procedures
- Policies
- Purchasing records
- MSDS







### **6.0 Evaluation & Corrective Action**

#### **Purpose of this section:**

- · Defines requirements for processes to:
  - Evaluate performance of OHSMS
  - Take corrective action when non-conformance is found
  - Include results of evaluation activities as part of the planning process and management review

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### **6.0 Evaluation & Corrective Action**

- 6.1 Monitoring, Measurement, and Assessment
- 6.2 Incident Investigation
- 6.3 Audits
- 6.4 Corrective and Preventive Actions
- 6.5 Feedback to the Planning Process



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# **6.1 Monitoring, Measurement, & Assessment**

- Should develop predictive or "leading" performance indicators or measures.
  - Examples: non-conformances found during inspections, rate and timeliness of corrective actions, completion of required maintenance, or completion of required training.
- Leading indicators can be used in combination with injury & illness data (trailing indicators) to determine the effectiveness of the OHSMS.

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## 6.1 Monitoring, Measurement, & Assessment

- · Workplace inspections & testing
- Exposure assessment
- · Injury, illness, and incident tracking
- · Employee input
- · Occupational health assessment
- Other methods as required by the OHSMS

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### **Workplace Inspections & Testing**

- Checklists
- Group inspections
- Industrial hygiene air monitoring
- Corrective actions should be assigned and action taken with follow-up.



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### **Exposure Assessment**

- Ergonomic evaluations
- · Look at injury & illness data
- Assess the substances, raw materials, and chemicals that may be used.
- Assess the mechanical, electrical, or other types of physical hazards present.



### **Injury, Illness, & Incident Tracking**

- Should have a reporting procedure for all work related injuries, illnesses, and incidents
- Records should be kept including the OSHA 300 log





### **Employee Input**

- Employee/supervisor self-assessments
- Employee surveys (Perception surveys)
  - Must be anonymous
- Safety suggestion box
- · Safety meeting discussions
- Barriers to employee input should be identified and eliminated

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### **Occupational Health Assessments**

- Medical examinations
- Biological monitoring (medical surveillance)
- Review of health records





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# **6.2 Incident Investigation**Appendix H

- Process to investigate and analyze reported work-related incidents
- Purpose is to determine underlying deficiencies in OHSMS and other factors causing or contributing to occurrence
- Investigations shall be performed in a timely manner.
- All barriers for reporting incidents should be removed (see section 3.2 & 5.3)

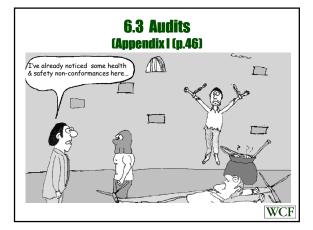
### **6.2 Incident Investigation**

- What should be investigated?
  - OSHA recordable
  - First aid injuries?
  - Near misses?
  - Motor vehicle accidents
- Organization's OHSMS should have policy/procedure specifying what will be investigated and the level of investigation
- See Incident Investigation form example in Appendix H of the standard (p 43), also example forms in WCF Safety & Cost Control Guidebook.

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### **Break!**

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## **6.3 Audits** (Appendix I (p.46)

- · Periodic audits
- "System" oriented rather than "compliance" oriented
- Purpose is to determine whether the organization has appropriately applied and effectively implemented OHSMS elements
- Any situation identified by the audit that may cause fatality or serious injury or illness must be immediately communicated and corrected.

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### **6.3 Audits** (Appendix I (p.46)

- Document & communicate audit results to:
  - Those responsible for corrective & preventive action.
  - Area supervision.
  - Other affected individuals
    - Employees
    - Employee representatives
    - Contractors



### The Z-10 Audit

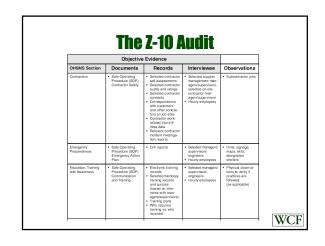
- Z-10 Standard Sections
- Objective Evidence
- Documents
- Records
- Interviews
- Observations

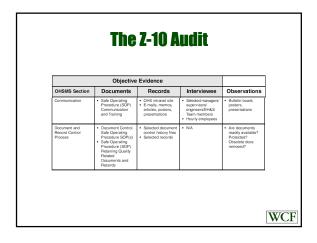


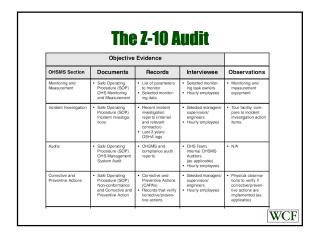
# The Z-10 Audit Objective Evidence OHSMS Section Documents Records Interviewe Observations Management - NIA - E-mails or memos regarding OHSMS in implement of facility or including a supportation of the control of facility or including a supportation of the control of facility of facility or including a supportation of the control of facility of facility or including a supportation of the control of facility or including a supportation of the control of facility of facility or including a supportation of the control of the co

The Z-10 Audit				
OHSMS Section	Documents	Records	Interviewee	Observations
Employee Participation	OHSMS     procedures     Human Resource     policies     Injury reporting     procedure	OHSMS Team roster and meeting minutes     Employee suggestions	Selected managers/ supervisors     Hourly employees	Team meetings, department meet- ings, job briefings, safety committee meetings
Initial and Ongoing Reviews	Safe Operating Procedure (SOP) OHSMS issues	Total and signifi- cant list of OHSMS issues     Job hazard analyzes     Notes of reviews of relevant regula- tions and standards     Exposure data     Organization chart, budgets, and job descriptions     Audit reports- incident investiga- tion reports     Monitoring data- Safety inspection reports     reports- incident investiga- tion reports     Monitoring data- Safety inspection reports	Selected managers/ supervisors     Hourly employees	Tour facility, compare to OHSMS issues list
Assessment and Prioritization	Safe Operating Procedure (SOP) OHSMS issues	Total and signifi- cant list of OHSMS issues	Selected managers/ supervisors/ engineers     Hourly employees	Tour facility, compare to OHSMS issues list

The Z-10 Audit				
Objective Evidence				
OHSMS Section	Documents	Records	Interviewee	Observations
Objectives and Objective Implementation Plans	Safe Operating Procedure (SOP) OHSMS Objectives	Objective imple- mentation plans     OHS Team minutes	Selected managers/ supervisors/ engineers/EH&S Team members     Hourly employees	Verification of OHSMS objective implementation (a applicable)
Hierarchy of Controls	- N/A	Job hazard analy- ses and follow up- OHS Team meet- ing minutes     Facilities work orders     Engineering project logs     Employee suggestions	Selected engineers and facilities personnel, OHS Team members     Hourly employees	Tour facility, identify engineering controls, warnings administrative controls, and PPE, compared to hazards identified and documents reviewed
Design Review and Management of Change	Safe Operating Procedure (SCP) Product Development     Safe Operating Procedure (SCP) Facilities Management     Update-drive/sed documents based on design review meeting minutes and newire/sed equipment	Design review meeting minutes. New and revised engineering design releases     Eliquipment approvals/releases     Facilities Work Orders	Sefected engineers and facilities per- sonnel, including managers and supervisors     Hourly emptoyees	Design review meeting, new equipment
Procurement	Safe Operating Procedure (SOP) Supplier Selection, Evaluation and Management	Selected supplier self assessments- Selected supplier suchs and ratings Selected supplier contracts     Incoming product inspection records     Product risk analyses	Selected supplier management personnel     Hourly employees	Selected purchased products





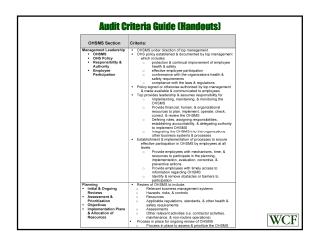


# The Z-10 Audit Objective Evidence OHSMS Section Documents Records Interviewe Observations Feerback to the Perring Process I NIA Monitoring data records Incident investigation Incident investi

## The Z-10 Audit

### See Audit Criteria Guide

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### The Z-10 Audit

### **Communication of Audit results**

**See Example Audit Report** 

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### Communication of Audit results The Scorecard Approach See Appendix J, p. 51 & Example Audit Report

OHSMS Audit Overall Scorecard

	Selected			
Program Element	Yes	No	Rating (See Color Scale)	
anagement Leadership	×		MODERATE	
HSMS Policy	×		STRONG	
esponsibility and Authority	х		MODERATE	
itial and Ongoing Reviews	х		STRONG	
ssessment and Prioritization	х		MODERATE	
bjectives and Implementation	х		MODERATE	
se of Hierarchy of Controls	х		STRONG	
anagement of Change	×		MODERATE	

### **6.4 Corrective & Preventive Actions**

#### **Implement process to:**

- Address OHSMS deficiencies & inadequately controlled hazards
- Identify newly created hazards resulting from corrective & preventive actions – evaluate overall risk reduction
- Expedite action on hazards that could cause serious injury or illness
- Track actions taken to ensure effective implementation

### **6.4 Corrective & Preventive Actions**

- · Examples:
  - Written follow-up of audit results with assignment of responsibility.
  - Health & Safety committee or Health & Safety System Oversight committee
  - Assignment of responsibility and follow through by top management

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### **6.5 Feedback to the Planning Process**

Process to ensure that the results of monitoring, measurement, audits, incident investigation, and corrective/preventive action are included in the *ongoing* planning process



Feedback is ESSENTIAL!

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### 7.0 Management Review

- 7.1 Management Review Process
- 7.2 Management Review Outcomes & follow-up



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### 7.1 Management Review Process

Process for *TOP MANAGEMENT* to review the OHSMS at least annually & recommend improvements to continue *suitability*, adequacy, and effectiveness.



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### 7.1 Management Review Process

Inputs to the Management review process shall include:

- 1. Progress in reduction of risk
- 2. Effectiveness of processes to identify, assess & prioritize risk and system deficiencies
- 3. Effectiveness in addressing underlying causes of risks and system deficiencies
- 4. Input from employees and employee representatives

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### 7.1 Management Review Process

Inputs to the Management review process shall include (continued):

- 5. Status of corrective and preventive actions & changing circumstances
- 6. Follow-up actions from OHSMS audits & previous management reviews
- 7. Extent to which objectives have been met
- 8. Performance of OHSMS relative to expectations

### 7.1 Management Review Process

- The Scorecard approach
  - (See Appendix J, p. 51 & Example Audit Report)

OHSMS Audit Overall Scorecard

	Selected		
Program Element	Yes	No	Rating (See Color Scale)
Management Leadership	×		MODERATE
OHSMS Policy	×		STRONG
Responsibility and Authority	×		MODERATE
Initial and Ongoing Reviews	×		STRONG
Assessment and Prioritization	×		MODERATE
Objectives and Implementation	×		MODERATE
Use of Hierarchy of Controls	×		STRONG
Management of Change	×		MODERATE

### 7.1 Management Review Process

"Are there any *holes*" in the **current OHSMS that** could allow a risk that might not be considered within the OHSMS system?



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### 7.2 Management Review **Outcomes & Follow-Up**

### TOP MANAGEMENT shall determine:

- Future direction of the OHSMS based on business strategies and conditions
- Need for changes to the organizations policy, priorities, objectives, resources, or other OHSMS elements



### 7.2 Management Review **Outcomes & Follow-Up**

- ACTION ITEMS shall be developed from the findings of the management review
- Results and ACTION ITEMS shall be documented, communicated, and tracked to *COMPLETION*.



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# **Continual Improvement is the Goal** Continual Improvement 4.0 Planning Figure 2 — OHSMS Cycle WCF

# Thank You!